

What is claimed is:

1. A throttle body, in particular for an internal
combustion engine of a motor vehicle, with a
5 continuous throttle opening for a throttle valve
which is arranged on a throttle-valve shaft and
with a housing, the housing comprising a housing
cover and a housing body, an electric servodrive
and a first electronic mechanism being arranged in
10 the housing body for adjusting the throttle-valve
shaft, characterized in that the first electronic
mechanism and a second electronic mechanism for
electrical appliances arranged outside the housing
are arranged in the housing cover, it being
15 possible for both the first electronic mechanism
and the second electronic mechanism of the
electrical appliances to be brought into contact
with the electrical appliances arranged outside the
housing by means of electrical connection means
20 which are at least partially arranged in the
housing cover.
2. The throttle body as claimed in claim 1,
characterized in that the electrical appliances are
25 arranged in an internal combustion engine of a
motor vehicle.
3. The throttle body as claimed in claim 1,
characterized in that the second electronic
30 mechanism for the electrical appliances arranged
outside the housing comprises a control unit, a
data acquisition unit and a data storage unit.

4. The throttle body as claimed in claim 1,
characterized in that the electrical appliances are
an ignition device and/or an injection device
and/or an oil-level measuring device and/or an air-
mass regulating device.
5. The throttle body as claimed in claim 1,
characterized in that the housing cover consists of
plastic, the electrical connection means being at
least partially embedded in the plastic.
6. The throttle body as claimed in claim 1,
characterized in that both the first electronic
mechanism and the second electronic mechanism for
the electrical appliances arranged outside the
housing are arranged in a region of the housing
cover which is bounded by a covering element.
7. The throttle body as claimed in claim 1,
characterized in that the first electronic
mechanism and the second electronic mechanism for
the electrical appliances arranged outside the
housing are arranged on a common printed circuit
board in the housing cover.
8. The throttle body as claimed in claim 7,
characterized in that the printed circuit board is
arranged on a heat-conducting plate, in particular
a metallic plate.
9. The throttle body as claimed in claim 8,
characterized in that the heat-conducting plate, in

particular metallic plate, is fastened by fastening means both on the housing cover and on the housing body.

5 10. The throttle body as claimed in claim 9, characterized in that the fastening means are screws which predominantly consist of metal.

10 11. The throttle body as claimed in claim 1, characterized in that the housing body predominantly consists of metal, in particular aluminum.

15 12. The throttle body as claimed in claim 1, characterized in that the electric servodrive of the throttle-valve shaft is connected to the first electronic mechanism by means of an electrical plug-in connection.

20 13. The throttle body as claimed in claim 1, characterized in that a restoring spring device for resetting the throttle valve into an emergency position is arranged in the housing.

25 14. The throttle body as claimed in claim 1, characterized in that a device for acquiring the position of the throttle-valve shaft is arranged in the housing.

30 15. An electronic module with an electronic mechanism for a motor vehicle and with a base element which can be closed by a cover element, the motor vehicle

having a multiplicity of electrical appliances and a throttle body, the throttle body comprising a housing with a continuous throttle opening for a throttle valve which is pivotably arranged on a throttle-valve shaft and an electric servodrive, arranged in the housing, characterized in that a first electronic mechanism for the throttle body and a second electronic mechanism for electrical appliances of the motor vehicle is arranged in the cover element, it being possible for the first electronic mechanism of the throttle body and the second electronic mechanism of the electrical appliances to be connected to the throttle body and the electrical appliances of the internal combustion engine by means of electrical connection means, the electrical connection means being at least partially arranged in the cover element.

16. The electronic module as claimed in claim 15, characterized in that the electrical appliances are an ignition device and/or an injection device and/or an oil-level measuring device and/or an air-mass regulating device.

17. The electronic module as claimed in claim 15, characterized in that the cover element is produced from plastic, the electrical connection means being at least partially embedded in the plastic.

18. The electronic module as claimed in claim 15, characterized in that the first electronic mechanism for the throttle body and the second

electronic mechanism for the electrical appliances are arranged on a common printed circuit board in the cover element.

5 19. The electronic module as claimed in claim 18, characterized in that the printed circuit board is arranged on a heat-conducting plate, in particular a metallic plate.

10 20. The electronic module as claimed in claim 19, characterized in that the heat-conducting plate, in particular metallic plate, is fastened by means for fastening both on the cover element and on the base element.

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21. The electronic module as claimed in claim 20, characterized in that the means for fastening are screws which predominantly consist of metal.

20 22. The electronic module as claimed in claim 15, characterized in that the base element predominantly consists of metal.